

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	69	(US-20020054548-\$ or US-20040090897-\$ or US-20020041551-\$ or US-20040213126-\$ or US-20010033543-\$).did. or (US-6215758-\$ or US-6128272-\$ or US-6504800-\$ or US-5831963-\$ or US-5477526-\$ or US-5966368-\$ or US-5656348-\$ or US-6600711-\$ or US-6301208-\$ or US-5995458-\$ or US-6055218-\$ or US-6298033-\$ or US-5418773-\$ or US-6707774-\$ or US-6643231-\$ or US-5878007-\$ or US-5383176-\$ or US-4817068-\$ or US-5453974-\$ or US-6330212-\$ or US-5920527-\$ or US-5263011-\$ or US-5796711-\$ or US-6489002-\$ or US-5418774-\$ or US-6002655-\$).did. or (US-5838653-\$ or US-5768243-\$ or US-5729525-\$ or US-5802174-\$ or US-5881032-\$ or US-6370091-\$ or US-6487147-\$ or US-6317403-\$ or US-6233207-\$ or US-6424614-\$ or US-5640383-\$ or US-4553228-\$ or US-6134196-\$ or US-6438079-\$ or US-5635267-\$ or US-6268034-\$ or US-6580679-\$ or US-6035351-\$ or US-6564009-\$ or US-6252845-\$ or US-6487144-\$ or US-6633516-\$ or US-6175548-\$ or US-6690640-\$ or US-4873679-\$ or US-5896365-\$ or US-5754508-\$).did. or (US-5199022-\$ or US-6021109-\$ or US-6754143-\$).did. or (EP-944088-\$ or EP-827139-\$ or EP-727779-\$).did. or (JP-09138950-\$ or JP-2002117550-\$ or JP-11031357-\$ or JP-09035272-\$).did. or (JP-10112078-\$ or US-20010033543-\$ or JP-2002117550-\$ or JP-09035272-\$ or EP-944088-\$ or EP-827139-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/09 10:45
S1	1	("5881032").PN.	US-PGPUB; USPAT	OR	OFF	2006/11/09 10:45
S2	1	("20020176346").PN.	US-PGPUB; USPAT	OR	OFF	2005/05/05 08:11

## EAST Search History

S3	21	("4450553"   "5253242"   "5406534"   "5418774"   "5488593"   "5563855"   "5656348"   "5694387").PN. OR ("5881032").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/05 10:32
S4	1449	(369/275.3).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/05 10:33
S5	496	(369/94).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/05 10:33
S6	508	(369/111).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/05 10:33
S7	249	(369/53.29).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/05 10:33
S8	143	(369/47.54).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/05 10:33
S10	313445	((optical compact) near2 (disk\$2 disc\$2 medium)) DvD CD CDROM DvDROM "CD-ROM" "DvD-ROM" (digital near2 (versatile video) near2 (disk disc))	US-PGPUB; USPAT	OR	ON	2005/05/05 10:37
S11	353465	(dual two second double plural) near2 layer\$4	US-PGPUB; USPAT	OR	ON	2005/05/05 10:37
S12	16649	wobble	US-PGPUB; USPAT	OR	ON	2005/05/05 10:37
S13	30390	(physical logical virtual absolute) near2 address	US-PGPUB; USPAT	OR	ON	2005/05/05 10:38
S14	17	S10 same (S11 near10 S13)	US-PGPUB; USPAT	OR	ON	2005/05/05 10:39
S15	2624622	increase\$4 decrease\$4	US-PGPUB; USPAT	OR	ON	2005/05/05 10:39
S16	1	S14 same S15	US-PGPUB; USPAT	OR	ON	2005/05/05 10:39
S17	21	("4450553"   "5253242"   "5406534"   "5418774"   "5488593"   "5563855"   "5656348"   "5694387").PN. OR ("5881032").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/11 13:47
S18	212	"address information" adj2 wobble	US-PGPUB; USPAT	OR	ON	2005/05/11 14:18
S19	98	S18 and layer	US-PGPUB; USPAT	OR	ON	2005/05/11 14:13
S20	98	S18 and layer\$2	US-PGPUB; USPAT	OR	ON	2005/05/11 14:14
S21	284	"address information" near2 wobble	US-PGPUB; USPAT	OR	ON	2005/05/11 14:18

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S22	35	S21 and ((many multi\$5 two several dual) near2 layer\$2)	US-PGPUB; USPAT	OR	ON	2005/05/11 14:19
S23	161	(369/30.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/11 15:43
S24	80	(physical adj1 address) same wobble	US-PGPUB; USPAT	OR	ON	2005/05/12 07:34
S25	497	(369/94).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/12 07:34
S26	509	(369/111).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/12 07:34
S27	249	(369/53.29).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/12 07:34
S28	144	(369/47.54).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/12 07:34
S29	9	(S25 S26 S27 S28) and S24	US-PGPUB; USPAT	OR	ON	2005/05/12 07:34
S30	1	("5881032").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/28 17:32
S31	1	("20020176346").PN.	US-PGPUB; USPAT	OR	OFF	2006/03/28 17:32
S32	23	("4450553"   "5253242"   "5406534"   "5418774"   "5488593"   "5563855"   "5656348"   "5694387").PN. OR ("5881032").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 17:32
S33	1630	(369/275.3).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/28 17:32
S34	570	(369/94).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/28 17:32
S35	514	(369/111).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/28 17:32
S36	257	(369/53.29).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/28 17:32
S37	152	(369/47.54).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/28 17:32
S38	377928	((optical compact) near2 (disk\$2 disc\$2 medium)) DvD CD CDROM DvDROM "CD-ROM" "DvD-ROM" (digital near2 (versatile video) near2 (disk disc))	US-PGPUB; USPAT	OR	ON	2006/03/28 17:32
S39	399570	(dual two second double plural) near2 layer\$4	US-PGPUB; USPAT	OR	ON	2006/03/28 17:32
S40	18501	wobble	US-PGPUB; USPAT	OR	ON	2006/03/28 17:32

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S41	35411	(physical logical virtual absolute) near2 address	US-PGPUB; USPAT	OR	ON	2006/03/28 17:32
S42	2893484	increase\$4 decrease\$4	US-PGPUB; USPAT	OR	ON	2006/03/28 17:32
S43	20	S38 same (S39 near10 S41)	US-PGPUB; USPAT	OR	ON	2006/03/28 17:32
S44	2	S43 same S42	US-PGPUB; USPAT	OR	ON	2006/03/28 17:32
S45	20	S38 same (S39 near10 S41)	US-PGPUB; USPAT	OR	ON	2006/03/28 17:32
S46	23	("4450553"   "5253242"   "5406534"   "5418774"   "5488593"   "5563855"   "5656348"   "5694387").PN. OR ("5881032").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 17:32
S47	278	"address information" adj2 wobble	US-PGPUB; USPAT	OR	ON	2006/03/28 17:32
S48	136	S47 and layer	US-PGPUB; USPAT	OR	ON	2006/03/28 17:32
S49	136	S47 and layer\$2	US-PGPUB; USPAT	OR	ON	2006/03/28 17:32
S50	376	"address information" near2 wobble	US-PGPUB; USPAT	OR	ON	2006/03/28 17:32
S51	53	S50 and ((many multi\$5 two several dual) near2 layer\$2)	US-PGPUB; USPAT	OR	ON	2006/03/28 17:32
S52	177	(369/30.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/28 17:32
S53	131	(physical adj1 address) same wobble	US-PGPUB; USPAT	OR	ON	2006/03/28 17:32
S54	570	(369/94).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/28 17:32
S55	514	(369/111).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/28 17:32
S56	257	(369/53.29).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/28 17:32
S57	152	(369/47.54).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/03/28 17:32
S58	9	(S54 S55 S56 S57) and S53	US-PGPUB; USPAT	OR	ON	2006/03/28 17:32
S59	1	("5881032").PN.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S60	1	("20020176346").PN.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16

## EAST Search History

S61	24	("4450553"   "5253242"   "5406534"   "5418774"   "5488593"   "5563855"   "5656348"   "5694387").PN. OR ("5881032").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 18:16
S62	1806	(369/275.3).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S63	610	(369/94).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S64	519	(369/111).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S65	260	(369/53.29).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S66	158	(369/47.54).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S67	429073	((optical compact) near2 (disk\$2 disc\$2 medium)) DvD CD CDROM DvDROM "CD-ROM" "DvD-ROM" (digital near2 (versatile video) near2 (disk disc))	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S68	433375	(dual two second double plural) near2 layer\$4	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S69	19848	wobble	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S70	39318	(physical logical virtual absolute) near2 address	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S71	3096977	increase\$4 decrease\$4	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S72	34	S67 same (S68 near10 S70)	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S73	4	S72 same S71	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S74	24	("4450553"   "5253242"   "5406534"   "5418774"   "5488593"   "5563855"   "5656348"   "5694387").PN. OR ("5881032").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 18:16
S75	351	"address information" adj2 wobble	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S76	181	S75 and layer	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S77	181	S75 and layer\$2	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S78	470	"address information" near2 wobble	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16

## EAST Search History

S79	84	S78 and ((many multi\$5 two several dual) near2 layer\$2)	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S80	183	(369/30.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S81	183	(physical adj1 address) same wobble	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S82	610	(369/94).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S83	519	(369/111).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S84	260	(369/53.29).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S85	158	(369/47.54).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S86	11	(S82 S83 S84 S85) and S81	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S87	1806	(369/275.3).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S88	610	(369/94).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S89	519	(369/111).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S90	260	(369/53.29).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S91	158	(369/47.54).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S92	429073	((optical compact) near2 (disk\$2 disc\$2 medium)) DvD CD CDROM DvDROM "CD-ROM" "DvD-ROM" (digital near2 (versatile video) near2 (disk disc))	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S93	433375	(dual two second double plural) near2 layer\$4	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S94	19848	wobble	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S95	39318	(physical logical virtual absolute) near2 address	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S96	3096977	increases\$4 decreases\$4	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S97	34	S92 same (S93 near10 S95)	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S98	351	"address information" adj2 wobble	US-PGPUB; USPAT	OR	ON	2006/11/03 18:45

## EAST Search History

S99	181	S98 and layer	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S10 0	470	"address information" near2 wobble	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S10 1	610	(369/94).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S10 2	519	(369/111).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S10 3	260	(369/53.29).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S10 4	158	(369/47.54).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S10 5	1	("5881032").PN.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S10 6	1	("20020176346").PN.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16
S10 7	24	("4450553"   "5253242"   "5406534"   "5418774"   "5488593"   "5563855"   "5656348"   "5694387").PN. OR ("5881032").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 18:16
S10 8	4	S97 same S96	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S10 9	34	S92 same (S93 near10 S95)	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S11 0	24	("4450553"   "5253242"   "5406534"   "5418774"   "5488593"   "5563855"   "5656348"   "5694387").PN. OR ("5881032").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 18:16
S11 1	84	S100 and ((many multi\$5 two several dual) near2 layer\$2)	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S11 2	183	(physical adj1 address) same wobble	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S11 3	11	(S101 S102 S103 S104) and S112	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S11 4	181	S98 and layer\$2	US-PGPUB; USPAT	OR	ON	2006/11/03 18:16
S11 5	183	(369/30.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/03 18:16